

ABSTRACT OF THE INVENTION

A composite fluid separator capable of isolating a first liquid from a composite fluid having a first and second liquid, in which the first and second liquids have differing specific gravities. An outer housing encloses a separation chamber. An inlet port delivers the composite
5 fluid through an elongated spillway into the sump of the chamber. Positioned between the inlet port and the outlet port is a plurality of stacked baffles, composed of individual separation flow plates, placed in an inclined relationship. The plurality of baffles creates a flow path in which the composite fluid is forced to flow over each of the individual separation flow plates as it travels upward in the separation chamber toward the outlet port.